

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re application of:** Crow et al.**Application No.** Not yet assigned**Filed:** October 10, 2003**Confirmation No.** Not yet assigned**For:** MATCHING JOB CANDIDATE  
INFORMATION**Examiner:** Unknown**Art Unit:** Unknown**Attorney Reference No.** 5437-66659**CERTIFICATE OF MAILING**

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney  
for Applicant(s)Date Mailed October 10, 2003

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**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 C.F.R. § 1.97(b)**

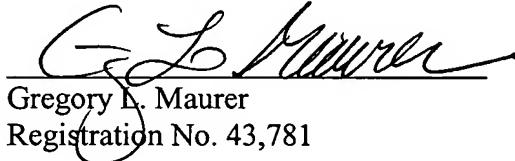
Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

Applicants filed this Information Disclosure Statement (“IDS”) within three months of the filing date of a national application, within three months of the date of entry of the national stage as set forth in § 1.491 in an international application, before the mailing date of a first Office action on the merits, or before the mailing of a first Office action after the filing of request for continued examination under § 1.114. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is required for Applicants to file this IDS, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A duplicate copy of this Information Disclosure Statement is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

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| <b>INFORMATION DISCLOSURE STATEMENT<br/>BY APPLICANT</b> | <b>Attorney Docket Number</b> | 5437-66659       |
|  | <b>Application Number</b>     | Not Yet Assigned |
|  | <b>Filing Date</b>            | October 10, 2003 |
|  | <b>First Named Inventor</b>   | Crow             |
|  | <b>Art Unit</b>               | Not Yet Assigned |
|  | <b>Examiner Name</b>          | Unknown          |

**U.S. PATENT DOCUMENTS**

| <b>Examiner's<br/>Initials*</b> | <b>Cite No.<br/>(optional)</b> | <b>Number</b>      | <b>Date</b>       | <b>Name</b>      |
|---------------------------------|--------------------------------|--------------------|-------------------|------------------|
|                                 |                                | 6,094,650          | July 25, 2003     | Stoffel et al.   |
|                                 |                                | 6,115,718          | September 5, 2000 | Huberman et al.  |
|                                 |                                | 6,144,964          | November 7, 2000  | Breese et al.    |
|                                 |                                | US 2002/0173971 A1 | November 21, 2002 | Stirpe et al.    |
|                                 |                                | US 2003/0101170 A1 | May 29, 2003      | Edelstein et al. |

**FOREIGN PATENT DOCUMENTS**

| <b>Examiner's<br/>Initials*</b> | <b>Cite No.<br/>(optional)</b> | <b>Number</b>  | <b>Date</b>      | <b>Country</b> |
|---------------------------------|--------------------------------|----------------|------------------|----------------|
|                                 |                                | WO 01/93102 A1 | December 6, 2001 | International  |
|                                 |                                |                |                  |                |
|                                 |                                |                |                  |                |
|                                 |                                |                |                  |                |

| <b>Examiner's<br/>Initials*</b> | <b>Cite No.<br/>(optional)</b> | <b>OTHER DOCUMENTS</b>   |
|---------------------------------|--------------------------------|--|
|                                 |                                | “LensXRay” brochure, Burning Glass Technologies, 2 pages, <a href="http://www.burning-glass.com/Image%20Folder/LensXRay(5_1).PDF">www.burning-glass.com/Image%20Folder/LensXRay(5_1).PDF</a> , visited May 30, 2003. |
|                                 |                                | “Engenium Semetric”, <a href="http://www.engenium.com/product_arch.html">http://www.engenium.com/product_arch.html</a> , 3 pages, visited August 25, 2003.   |
|                                 |                                | “Engenium Intelligent Application Series: Automatic Categorization & Taxonomy Assignment”, <i>Engenium Corporation</i> , Version 1.02, 4 pages, August 25, 2003.   |
|                                 |                                | “Engenium Intelligent Application Series. Section 2: Approach to Automatic Categorization”, <i>Engenium Corporation</i> , Version 1.02, 7 pages, August 25, 2003.  |

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| <b>EXAMINER<br/>SIGNATURE:</b> | <b>DATE<br/>CONSIDERED:</b> |
|--------------------------------|-----------------------------|

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

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|  |  | <b>Examiner Name</b>   | Unknown          |
|  |  | Babcock, "Searching for a Better Match", <a href="http://www.zdnet.com/intweek/">http://www.zdnet.com/intweek/</a> , 2 pages, visited on August 7, 2000.   |                  |
|  |  | Cugini et al., "Document Clustering in Concept Space: The NIST Information Retrieval Visualization Engine (NIRVE)", <a href="http://www.itl.nist.gov/iaui/vvrg/cugini/uicd/short-cc-paper.html">http://www.itl.nist.gov/iaui/vvrg/cugini/uicd/short-cc-paper.html</a> , 5 pages, visited on August 27, 2003. |                  |
|  |  | Everett et al., "Making Ontologies Work for Resolving Redundancies Across Documents", <i>Communications of the ACM</i> , Vol. 45, No. 2, pages 55-60, February 2002.   |                  |
|  |  | Freitag et al., "Boosted Wrapper Induction", <i>American Association for Artificial Intelligence</i> , pages 577-583, 2000.  |                  |
|  |  | Gruber, "What is an Ontology?", <a href="http://www-ksl.stanford.edu/kst/what-is-an-ontology.html">http://www-ksl.stanford.edu/kst/what-is-an-ontology.html</a> , 2 pages, visited on August 26, 2003.   |                  |
|  |  | Gruninger et al., "Ontology: Applications and Design", <i>Communications of the ACM</i> , Vol. 45, No. 2, pages 39-41, February 2002.  |                  |
|  |  | Guarino, "Formal Ontology and Information Systems", IOS Press, <i>Proceedings of the 1<sup>st</sup> International Conference</i> , Trento, Italy, 1998.  |                  |
|  |  | Guarino et al., "Evaluating Ontological Decisions with Ontoclean", <i>Communications of the ACM</i> , Vol. 45, No. 2, pages 61-65, February 2002.  |                  |
|  |  | Holsapple et al., "A Collaborative Approach to Ontology Design", <i>Communications of the ACM</i> , Vol. 45, No. 2, pages 42-47, February 2002.  |                  |
|  |  | Kim, "Predicting How Ontologies for the Semantic Web Will Evolve", <i>Communications of the ACM</i> , Vol. 45, No. 2, pages 48-54, February 2002.  |                  |
|  |  | Maedche et al., "An Infrastructure for Searching, Reusing and Evolving Distributed Ontologies", WWW2003, The Twelfth International World Wide Web Conference, Budapest, Hungary, pages 439-448, May 20-24, 2003.   |                  |
|  |  | Widyantoro et al., "A Fuzzy Ontology-Based Abstract Search Engine and Its User Studies", <i>Proceedings of the 10th IEEE International Conference on Fuzzy Systems</i> , Vol. 2, pages 1291-1294, December 2-5, 2001.  |                  |
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| EXAMINER<br>SIGNATURE:   | DATE<br>CONSIDERED: |
| * Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant. |                     |